

Recombinant Rat Inhba protein, His-tagged

Cat. No. Inhba-249R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Inhba fused with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
Description	Activins are homodimers or heterodimers of the different β subunit isoforms, part of the TGFβ family. Mature Activin A has two 116 amino acids residues βA subunits (βA-βA). Activin displays an extensive variety of biological activities, including mesoderm induction, neural cell differentiation, bone remodelling, haematopoiesis, and reproductive physiology. Activins takes part in the production and regulation of hormones such as FSH, LH, GnRH and ACTH. Cells that are identified to express Activin A include fibroblasts, endothelial cells, hepatocytes, vascular smooth muscle cells, macrophages, keratinocytes, osteoclasts, bone marrow monocytes, prostatic epithelium, neurons, chondrocytes, osteoblasts, Leydig cells, Sertoli cells, and ovarian granulosa cells.
Form	Lyophilized from sterile PBS, pH 7.4
Purity	> 95 % as determined by SDS-PAGE
Storage	Store at -70 centigrade. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

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Gene Name	Inhba inhibin beta-A [Rattus norvegicus]
Official Symbol	Inhba
Synonyms	INHBA; inhibin beta-A; inhibin beta A chain; activin A; activin beta-A chain;
Gene ID	29200
mRNA Refseq	NM_017128
Protein Refseq	NP_058824
UniProt ID	P18331
Chromosome Location	17q12.1
Pathway	Glycoprotein hormones, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Peptide hormone biosynthesis, organism-specific biosystem; TGF Beta Signaling Pathway, organism-specific biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;
Function	cytokine activity; cytokine activity; follistatin binding; follistatin binding; growth factor activity; hormone activity; identical protein binding; identical protein binding; protein heterodimerization activity; receptor binding; type II activin receptor binding;